

AMENDED

50375

APPLICATION FOR PERMIT

TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF NEVADA

Dat	e of filing in State Engineer's Office			
Ret	urned to applicant for correction			
Сог	rected application filed DEC 1 6 1986			
Maj	DEC 1 6 1986			
	The applicant TRANS-PACIFIC GEOTHERMAL CORPORATION			
	1330 BROADWAY, SUITE 1525 , of OAKLAND Street and No. or P.O. Box No. City or Town			
	CALIFORNIA 94612 , hereby make application for permission to appropriate the public State and Zip Code No.			
	ers of the State of Nevada, as hereinafter stated. (If applicant is a corporation, give date and place of incorpora-			
tion	; if a copartnership or association, give names of members.) INCORPORATED 10/15/85			
AT	RENO, NEVADA			
1.	The source of the proposed appropriation is THE STILLWATER GEOTHERMAL RESERVOIR Name of stream, lake, spring, underground or other source			
2.	The amount of water applied for is 3.6 Second-feet One second-foot equals 448.83 gals. per min.			
	(a) If stored in reservoir give number of acre-feet N/A			
3.	The water to be used for DOMESTIC AND INDUSTRIAL Irrigation, power, mining, manufacturing, domestic, or other use. Must limit to one use.			
4.	If use is for:			
	(a) Irrigation, state number of acres to be irrigated			
	(b) Stockwater, state number and kinds of animals to be watered.			
	(c) Other use (describe fully under "No. 12. Remarks"			
	(d) Power:			
	(1) Horsepower developed 10 MW ELECTRIC			
	SPENT GEOTHERMAL BRINE WILL BE REINJECTED INTO (2) Point of return of water to stream GEOTHERMAL RESERVOIR.			
5.	The water is to be diverted from its source at the following point. IOCATED IN THE NEW OF SEW, SEC. 1			
Describe as being within a 40-acre subdivision T19N, R30E, MDB&M, FROM SAID POINT THE NE CORNER OF SAID SEC. 1 BEARS survey, and by course and distance to a section corner. If on unsurveyed land, it should be so stated.				
	N 02 ^o 53' 31" E A DISTANCE OF 3413.11 FEET.			
6.	Place of use NF14 NE14, SEC 1, T19N, R30E, MBD&M Describe by legal subdivision. If on unsurveyed land, it should be so stated.			
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7.	Use will begin about TAN. 1 and end about DEC. 31 , of each year. Month and Day Month and Day			
8.				
	specifications of your diversion or storage works.) GEOTHERMAL WELL AS PER ATTACHED State manner in which water is to be diverted, i.e. diversion structure, ditches and			
	SCHEMATIC_DIAGRAM. WELL WILL PRODUCE BY SELF-INDUCED FLASH FLOW. flumes, drilled well with pump and motor; etc.			
9.	Estimated cost of works \$250,000.00			

10.	Estimated time required to construct works If well completed, described time required to construct works	ribe works.
11.	Estimated time required to complete the application of water to beneficial use	YEAR
	Remarks: For use other than irrigation or stock watering, state number and type consumptive use.	
	PRODUCED WATER WILL BE USED TO OPERATE A HYBRID FLASHET	STEAM-BINARY
	POWER PLANT. 10% OF THE PRODUCED FLUID WILL BE CONSUME	D IN THE POWER
Соп	PLANT COOLING TOWER. 90% OF THE PRODUCED FLUID WILL BE	E REINJECTED
	INTO THE GEOTHERMAL RESERVOIR. THE TOTAL ANNUAL CONSUMWILL BE 774 ACRE-FEET.	
	By s/ illegible 1330 Broadway, opared js/se pm/bc Oakland, CA 946	Suite 1525 512
	estedested	*************
1.00		
	APPROVAL OF STATE ENGINEER	1
amore fin play rear man be ing ber to con hear get other well (CC) The	This is to certify that I have examined the foregoing application, and do hereby swing limitations and conditions: This permit is issued subject to existing rights. It is pount of geothermal fluid herein granted is only a temporary mal right obtained under this permit will be dependent upon acced to beneficial use. It is also understood that this right assonable decrease of fluid pressure and heat. The well shall intained to prevent any waste of the geothermal fluid. Acce kept of discharge of the production well and the amount of jection well to determine the total amount of fluid diverted the ficial use. The production and injection wells are to be cemented from the surface to protect fresh water zones. This permit is in addition that only geothermal fluids are to be diverted and use ating purposes and fresh, cold water aquifers are not to be othermal fluids are to be returned to the source via the injuriance of this permit does not waive the requirements that the permits from State, Federal and local agencies. A detail and/or other analyses of the system used for returning to CNTINUED ON PAGE 2) amount of water to be appropriated shall be limited to the amount which can be	understood that the allowance and that the the amount actually ght must allow for a ll be equipped and trate measurements must fluid injected into the d and consumed for a common the producing levels issued subject to the used beneficially for diverted. The used jection wells. The the permit holder obtain iled log on the injection the used geothermal applied to beneficial use, and
not t	to exceedcubic feet per second, but	not to exceed a
	nsumptive use of 261 acre-feet annually.	
	k must be prosecuted with reasonable diligence and be completed on or before	
	of of completion of work shall be filed before	
App	lication of water to beneficial use shall be made on or before	March 10, 1992
Proc	of of the application of water to beneficial use shall be filed on or before	April 10, 1992
Maŗ	in support of proof of beneficial use shall be filed on or before	***************************************
Com	pletion of work filed	
	f of beneficial use filedday ofmy office, this2ndday of	Iune
Cult	nral map filed	
Certi	ificate NoIssued	J. Morros
	218 (Rev.)	State Engineer

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(PERMIT TERMS CONTINUED)

fluids to the source must be submitted together with the Proof of Completion.

An annual report for this well must be filed under this permit describing the amount of geothermal fluid diverted and consumed to a beneficial use for the calendar year. This report must detail the amount of fluid produced and injected.

The total withdrawal of the geothermal fluid shall be limited to 2606 acre-feet per year but the total consumptive use of the geothermal fluid is limited to only incidental fluid losses in the system and in no case shall it amount to more than 10% of the volume withdrawn annually. The State Engineer does not waive the right to make a determination of incidental fluid losses at any time and impose additional conditions thereto. This permit is further issued subject to the provisions of NRS 533.372(1) and with the understanding that the power or energy generated by the beneficial use of this water or steam is subject to recapture and use within the boundaries of the State of Nevada when the need arises.

This Permit does not extend the permittee the right of ingress and egress on public, private or corporate lands.

This permit is issued under the provisions of NRS 534.120(2) as a preferred use. The total combined duty of water under Permits 30683, 30684, 50025, 50375, 50376, 50377 and 50378 shall not exceed 3620 acre-feet annually.

